

Recombinant Human BTN3A1 Protein, Fc-Avi-tagged, Biotinylated

Cat. No. BTN3A1-737H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Human BTN3A1, Fc Tag, Avi Tag is expressed from HEK293 cells. It contains AA Gln 30 - Gly 254 (Accession # O00481-1). This protein carries a human IgG1 Fc tag at the C-terminus, followed by a Avi tag.
Species	Human
Source	HEK293
ProteinLength	30-254 a.a.
Predicted N Terminal	Gln 30
Form	Lyophilized from 0.22 um filtered solution in 50 mM Tris, 100 mM Glycine, pH7.5, 10% trehalose.
Molecular Mass	The protein has a calculated MW of 52.9 kDa. The protein migrates as 54 kDa and 55-60 kDa under reducing condition (SDS-PAGE) due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Characteristic	Biotinylation of this product is performed using Avitag technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin. The biotin to protein

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ratio is 0.5-1 as determined by the HABA assay.

Stability

Samples are stable for up to twelve months from date of receipt at -70°C.

Storage

For long term storage, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. No activity loss is observed after storage at: 4-8°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

Conjugation

Biotin

GENE INFORMATION

Gene Name

BTN3A1 butyrophilin, subfamily 3, member A1 [Homo sapiens]

Official Symbol

BTN3A1

Synonyms

BTN3A1; butyrophilin, subfamily 3, member A1; butyrophilin subfamily 3 member A1; BT3.1; BTF5; CD277; dJ45P21.3 (butyrophilin, subfamily 3, member A1); MGC141880;

Gene ID

11119

mRNA Refseq

NM_001145008

Protein Refseq

NP_001138480

MIM

613593

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UniProt ID

O00481

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